



#### NOTES:

PREFERRED METHOD OF OFFSET WATERMAIN IS OVER DEPTH EXCAVATION.

PLACE 6" COMPACTED SAND BELOW INSULATION

SEE STANDARD PLATE WM-11 TO DETERMINE THE REQUIRED CONCRETE THRUST BLOCKING

ALL NUTS AND BOLTS TO BE 316 STAINLESS STEEL OR CORE BLUE

MAINTAIN A 2.0' MINIMUM CLEAR ZONE SEPARATION BETWEEN CONFLICTING UTILITIES

ON NEW WATERMAIN DIVE WATERMAIN UNDER CONFLICTING PIPE



LAST REVISION  
NOVEMBER 2014

## OFFSET WATERMAIN

CITY OF MAPLE GROVE ENGINEERING  
& PUBLIC WORKS DEPARTMENTS

STANDARD  
PLATE #  
WM-10